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## **INFORMATION DISCLOSURE** STATEMENT BY APPLICANT

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Complete if Known						
Application Number	10/774,851					
Filing Date	February 9, 2004					
First Named Inventor	James Benenson, Jr.					
Group Art Unit	1723					
Examiner Name						
Attorney Docket Number	V1012/20046					

Sheet of 9

**U.S. PATENT DOCUMENTS** 

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Examiner Initials*	Cite No.	Number	Kind Code (if known)	Name of Patentee or Applicant of Cited Document	of Cited Documen MM-DD-YYYY	
mes		148,557	**	Gillespie, et al.	03/17/1874	
MS		556,725		Farwell	03/17/1896	
WS		719,913		Wackerow	02/03/1903	
WS		740,574		Kohlmeyer	10/06/1903	
ws		748,821		Wackerow	01/05/1904	
WS		793,720		Godbe	07/04/1905	
NZ		810,020		Applegate	01/16/1906	
WS		1,012,974		Bird	12/26/1911	
MB		1,140,720		Simons	05/25/1915	
ms		1,914,742		Hillier	01/07/1931	

#### **FOREIGN PATENT DOCUMENTS**

Examiner	Cite		Foreign Patent Document			Date of Publication	ш
Initials*	No.	Office	Number	Kind Code (If known)	Name of Patentee or Applicant of Cited Document	of Cited Document MM-DD-YYYY	
ng			DE 462 348		Genter Thickener Company	07/09/1928	T
Mg			EP 0 919 270		Gohle, et al. & English Translation	06/02/1999	T
NB			GB 2 048 098A ~		Naghata, et al.	12/10/1979	1-1
Ng		Ef	0 049 746 /		Boemer English abstract translation only	04/21/1982	T

#### OTHER DOCUMENTS - NON PATENT LITERATURE DOCUMENTS

	Examiner Initials*	Cite No.	include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	т
	mg		GB Search Report from corresponding International Application No. GB 0212755.3 dated October 25, 2002.	
	MS		GB Search Report from corresponding International Application No. GB 0129711.8 dated May 16, 2002.	Γ
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Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number. Substitute for Form 1449A/PTO Complete if Known Application Number 10/774,851 INFORMATION DISCLOSURE Filing Date February 9, 2004 STATEMENT BY APPLICANT First Named Inventor James Benenson, Jr. (use as many sheet as necessary) **Group Art Unit** 1723 **Examiner Name Attorney Docket Number** V1012/20046 Sheet 2 of 9 **U.S. PATENT DOCUMENTS** U.S. Patent Document Date of Publication Examine Initiats\* Name of Patentee or Applicant of Cited Document of Cited Document Number Kind Code MM-DD-YYYY (if known) MS 1,977,601 Winton 10/16/1934 1,993,214 wg Hass 03/05/1935 Ma 2,056,891 Pecker 10/06/1936 μŞ 2,066,479 MacIsaac 01/05/1937 ma 2,243,559 Griffith 05/27/1941 W 2,275,958 Hagel 03/10/1942 ws 2,354,752 Hellan 08/01/1944 MB 2,365,766 Levier 12/26/1944 mg 2,393,150 Dayton 01/15/1946 Ma 2,549,363 Blickman 04/17/1957 **FOREIGN PATENT DOCUMENTS** Foreign Patent Document Date of Publication Examiner Name of Patentee or Applicant of Cited Document of Cited Document Office Number Kind Code tnitials\* MM-DD-YYYY (If known) EP 0 858 824 Keller, et al. English abstract 08/19/1998 WS translation only MS DE 4118423 Micheels 09/17/1992 Т mg DE 19844310 Lange 03/23/2000 T MS FI 103325 Rantala, et al. 06/15/1999 OTHER DOCUMENTS - NON PATENT LITERATURE DOCUMENTS include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, etc.), Initials\* date, page(s), volume-issue number(s), publisher, city and/or country where published

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mg						alkanen			05/13/195	8	
WS	3,112,263				E	Ililia ,			11/26/196	<u>-</u>	
wg		3	3,161,159		·k	ritske					
mg		3	,256,995		S	chmid, et al.					
MS			3,278,038		Acker 10/11/						
MB			3,286,843		K	raissel, Jr.			11/22/196	5	
ν <u>s</u>			3,333,700							08/01/1967	
WS			3,334,747			08/08/196	08/08/1967				
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mg		3	,363,771			Walters 01/16/19				3 —	
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Examiner Initials*	Cite No.	Office	Number	Kind Code (If known)	Nami				e of Publication Cited Document IM-DD-YYYY	7	
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ng		FR	838,593		Beaud	Irey-Bergeron		03/	09/1939	Г	
me	100	NO	75407		Aktieb	olaget		07/	/25/1949	Γ	
mg			JP 8281021 /		Taken	aka Komuten Co.		10/	29/1996	٦	
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Please type a plus sign (+) inside this box -4// Substitute for PTO/SB/O8A (08-00) Approved for use through 10/31/2002. OMB 0651-0031 U.S. Petent and Trademark Office: U.S. DEPARTMENT OF COMMERCE the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number. MAY 1 L TOTA Substitute for Form 1449A/PTO Complete if Known **Application Number** 10/774.851 INFORMATION DISCLOSURE Filing Date February 9, 2004 STATEMENT BY APPLICANT First Named Inventor James Benenson, Jr. (use as many sheet as necessary) **Group Art Unit Examiner Name** Attorney Docket Number V1012/20046 Sheet of 9 **U.S. PATENT DOCUMENTS** U.S. Patent Document Date of Publication Name of Patentee or Applicant of Cited Document of Cited Docume MM-DD-YYYY Number Kind Code Initials' (if known) Ma 3,414,129 Going, et al. 12/03/1968 MQ 3,574,509 Zentis, et al. 04/13/1971 3,622,006 WQ Brunner 11/23/1971 ms 3,647,071 Lamort 03/07/1972 NB 3,692,178 Reece 09/19/1972 WP 3,688,337 Noda 09/05/1972 NB 3,747,770 Zentis 07/24/1973 3,870,640 wg Reece 03/11/1975 4,052,305 ws **Arvanitakis** 10/04/1977 4,113,618 MS Koseki, et al. 09/12/1978 **FOREIGN PATENT DOCUMENTS** Foreign Patent Document Date of Publication Examine Name of Patentee or Applicant of Cited Document of Cited Document Office Kind Code (If known) Number MS 0225 401 **A1** Ackmann, et al. (Germany) 06/16/1987 DE 3640 638 C1 WS Eimer, et al. (Germany) 05/19/1988 MB DE 3829 360 A<sub>1</sub> Koller (Germany) 08/30/1988 CH 22 863 Zingg (Switzerland) & English 12/27/1900 mes translation OTHER DOCUMENTS - NON PATENT LITERATURE DOCUMENTS Cite Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, etc.), Examiner date, page(s), volume-issue number(s), publisher, city and/or country where published

> m. Savozi Examiner: Initial if citation considered, whether or not citation is in conformance with MPEP § 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

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Filing Date	February 9, 2004						
First Named Inventor	James Benenson, Jr.						
Group Art Unit	1723						
Examiner Name							
Attorney Docket Number	V1012/20046						

Sheet 5 of 9

U.S. PATENT DOCUMENTS

Examiner	674-	U.S. Patent Doc	ument		Date of Publication
Initials*	Cite No.	Number	Kind Code (if known)	Name of Palentee or Applicant of Cited Document	of Cited Document MM-DD-YYYY
rus.		4,226,716		White, Jr.	10/07/1980
MR		4,253,962		Thompson	03/03/1981
ng	<u> </u>	4,255,264		Madsen	03/10/1981
mg		4,279,760		Yamamoto	07/21/1981
mQ		4,347,134		Svehaug	08/31/1982
MS		4,582,603		Nasse	04/15/1986
WE		4,610,786		Pearson	09/19/1986
me		4,642,188		De Visser, et al.	02/10/1987
MB		4,655,937		Hendrix	04/07/1987
n <u>R</u>		4,735,730		Bratten	04/05/1988

#### **FOREIGN PATENT DOCUMENTS**

Examiner	Cite	Foreign Patent Document				Date of Publication	Т
Initials*	No.	(If known)		Name of Patentee or Applicant of Cited Document	ed Document of Cited Document MM-DD-YYYY		
MS			WO 91/12870		Bjorn	10/18/1994	T
me			GB <del>0120711.8</del>	23712464	Benenson, Jr.	07/24/2002	┢
mg			WO 01/26775		Benenson, Jr.	04/19/2001	<del> </del>
			GB 0212755.3		Benenson, Jr.	07/10/2002	<u> </u>

# OTHER DOCUMENTS - NON PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, etc.), date, page(s), volume-issue number(s), publisher, city end/or country where published.	· T
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initials*	N		Number		Kind Code (if known)	L		red Document		of Cited Document of Cited Doc	
WS.			4,818,402			S	teiner, et al.			04/04/198	9
ms	<u> </u>		4,822,486			W	/ilkins, et al.			04/18/198	9
mg						R	ishel, et al.			06/06/198	7
mg	1		4,849,105			В	orchert			07/18/198	9
MS	<u> </u>		4,867,879			M	üller			09/19/198	9
ma			4,902,410			В	otsch			02/20/199	<del>0</del>
MS			4,904,397			Ei	mer, et al.			02/27/199	一
MS			4,957,630				ratten			09/18/199	<del>0</del>
WB			5,055,205			W	/hite			10/08/199	1
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Γ	ms			5,275,728					Ko	oller			01/04/199	
	MB	_	_	5,298,161					Si	eq			03/29/199	
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卜	wg	$\neg$		5,423,977					_	oki, et al.			06/13/199	
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r	NS			5,569,383			_			inder Ark, et al.	<del></del> .		10/29/199	
卜	ms	1		5,595,655					_	einer, et al.			01/21/199	
F	me	+		RE 35,560					_	monelli, et al.	<del></del>		07/15/199	
	ws			5,723,051	· · · ·				_	rtlet, et al.			03/03/199	
	MS			5,772,867					_	iang, et al.			06/30/199	
	Examiner Initials*	Cite No.	Office		Patent Documer umber	nt Kine	d Code	-		OCUMENTS  of Patentee or Applicant of Cited Doc	cument	of C	e of Publication Cited Document IM-DD-YYYY	Т
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Sheet 9 of 9 **U.S. PATENT DOCUMENTS** U.S. Patent Document Date of Publication of Cited Document Name of Patentee or Applicant of Cited Document Initials\* Number Kind Code No. MM-DD-YYYY (if known) MS 6,177,022 Benenson, Jr. 01/23/2001 6,251,294 MS Davis, et al. 06/26/2001 WS 6,395,186 De Kock, et al. 05/28/2002 M 6,517,722 Benenson, Jr. 02/11/2003 mg 6,676,834 Benenson, Jr. 01/13/2004 MB 6,666,976 Benenson, Jr. 12/23/2003 ma 6,712,981 Benenson, Jr. 03/30/2004 FOREIGN PATENT DOCUMENTS Foreign Patent Document Date of Publication Examiner Cite Name of Patentee or Applicant of Cited Document of Cited Document Office Number Initials\* Kind Code (If known) OTHER DOCUMENTS - NON PATENT LITERATURE DOCUMENTS Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, etc.),
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